

What is claimed is:

1. A data delivering method delivering data to a device which is connected to a network, comprising:

5 transmitting structure information including information for collecting element data from a first device to a second device;

collecting element data by the second device according to the structure information; and

10 transmitting the element data collected by the second device to a third device.

2. A data delivering method delivering data to a device which is connected to a network, comprising:

15 generating structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device which collects the element data, and third information for identifying the destination device;

collecting element data according to the first information by the device identified by the second information; and

25 delivering the collected element data from the

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device identified by the second information to the destination device identified by the third information.

5 3. The method according to claim 2, wherein
 the structure information includes fourth
 information for assembling collected element data;
 and

 the collected element data is delivered to the
10 destination device after being assembled by the
 device identified by the second information
 according to the fourth information.

 4. The method according to claim 2, wherein:
15 the structure information includes fourth
 information for assembling collected element data;
 and

 the collected element data is assembled by the
 destination device according to the fourth
20 information.

 5. The method according to claim 2, wherein:
 the third information specifies a destination
 group including a plurality of destination devices;
25 and

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5 information.

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device;
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and

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5 8. The method according to claim 7, wherein
the first element data is delivered from the
first relay device to the destination device.

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        generating structure information by the source
15  device;

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collecting second element data by the second
relay device according to the structure information;
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collecting third element data by the third
relay device according to the structure information;
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25 and

delivering the first and the third element data from the third relay device to a destination device connected to the third relay device.

- 5 10. A data delivering method delivering data from a source device to a destination device in a system including the source device, a first relay device, a plurality of second relay devices arranged in parallel, comprising:
 - 10 generating, by the source device, structure information including information specifying a relay device group including a plurality of second relay devices;
 - collecting first element data by the first
 - 15 relay device according to the structure information;
 - recognizing, by the first relay device, the plurality of second relay devices belonging to the relay device group specified by the structure information;
 - 20 delivering the first element data to the plurality of second relay devices;
 - respectively collecting element data by the plurality of second relay devices according to the structure information; and
 - 25 delivering the first element data and the

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element data collected by the plurality of second relay devices from the plurality of second relay devices to corresponding destination devices.

5 11. A data delivering system delivering data to a device which is connected to a network, comprising:

 a first device which generates structure information indicating element data to be delivered
10 to a destination device; and

 a second device which receives the structure information from the first device, collects the element data according to the structure data, and delivers the element data to the destination device.

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 12. A data delivering system delivering data to a device which is connected to a network, comprising:

 a first device which generates structure information including first information for identifying element data to be delivered to a destination device, second information identifying a device which collects the element data, and third information for identifying the destination device;

25 and

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14. A data delivering system delivering data
25 from a source device to a destination device in a

system including the source device, a first relay device, and second and third relay devices arranged in parallel, -

5 said source device generates structure information,

 said first relay device collects first element data and transmits it to the second and third relay devices according to the structure information,

10 said second relay device collects second element data and delivers the first and second element data to a destination device connected to said second relay device according to the structure information,

15 said third relay device collects third element data and delivers the first and third element data to a destination device connected to said third relay device according to the structure information.

15. A delivery source device, arranged in a
20 data delivering system where structure information including first information for identifying element data to be delivered to a destination device, second information for identifying a device that collects the element data, and third information for
25 identifying the destination device is generated,

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information; and

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25 according to the first information; and

a transferring unit transferring the element data collected by said collecting unit to the destination device identified by the third information.

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17. A storage medium having computer readable program code, comprising:

first program code generating structure information including first information for
10 identifying element data to be delivered to a destination device, second information for identifying a device that collects the element data, and third information for identifying the destination device; and

15 second program code transferring the structure information to a device identified by the second information.

18. A storage medium having computer
20 readable program code, comprising:

first program code analyzing structure information including first information for
identifying element data to be delivered to a destination device, and second information for
25 identifying the destination device;

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second program code collecting element data
according to the first information; and

third program code transferring the element
data to the destination device according to the
5 second information.

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